ABSTRACT

An entrance slit of the spectrometer is illuminated with optical radiation. An optical component images the entrance slit to an optical modulator by the optical radiation and disperses the optical radiation into a spectrum. The spectrum is modulated by the optical modulator The optical component composes spectral non-dispersive measurement radiation of the spectrum and images the entrance slit included in the measurement radiation to an exit slit which may be the same one as the exit slit or a different one. Measurement radiation is detected from the entrance slit with a detector, which converts the measurement radiation into an electrical measurement signal.